

2nd SMAP Cal/Val Workshop
Oxnard, CA
May 3-5, 2011
(ver. April 12, 2011)

Tuesday May 3

0830 Opening

SMAP Project Perspectives

0900 NASA HQ Programs and Projects Related to SMAP (Entin)

0915 SMAP Project Status (Kellogg/Njoku)

0930 SMAP Science Plan (Entekhabi//Njoku/O'Neill)

0945 Workshop Goals and Expected Outcomes (Jackson)

1000 Break

SMAP Products and Cal/Val

1015 Summary of L1 Product Cal/Val Requirements (Colliander)

1045 Summary of L2 Soil Moisture Cal/Val Requirements (Moghaddam)

1115 Summary of L2 Freeze-Thaw Cal/Val Requirements (McDonald/Kimball)

1145 Summary of L4 Product Cal/Val Requirements (Reichle/Kimball)

1215 Lunch

Field Campaigns

1315 Discussion of Algorithm Requirements Related to Field Campaigns (O'Neill)

1400 CanEx-SM Results Presentations (Belair)

- Overview of the CanEx-SM10 field experiment (Belair, EC)
- Passive airborne measurements during CanEx-SM10 (Walker, EC)
- Active airborne measurements with the UAVSAR during CanEx-SM10 (Mladenova, USDA)
- UAVSAR interferometry during CanEx-SM10 (Hensley, JPL):
- Ground measurements over agricultural sites during CanEx-SM10 (Berg, Guelph/Toth, EC)
- Ground measurements over the Boreal Ecosystem Research and Monitoring Sites (BERMS) during CanEx-SM10 (Moghaddam, U. Michigan)
- Preliminary evaluation of soil moisture retrievals from airborne and space-based L-band data for CanEx-SM10 (Magagi, Sherbrooke U.)
- Summary and availability of CanEx-SM10 datasets (Magagi, Sherbrooke U.)
- Open discussion on lessons learned from CanEx-SM10

1600 SMAPEX Results and Australia Core Validation Site (Walker)

1630 General Discussion of Field Experiment Objectives (Jackson)

1730 End Day 1

Wednesday May 4

- 0830 Development of a Pre-launch Soil Moisture Field Campaign (Jackson)
- Includes presentations on CARVE (Colliander), UAVSAR (Hensley), and AirMOSS (Moghaddam)
- 1030 Break
- 1045 Development of a Pre-launch Freeze-Thaw Field Campaign (Belair/McDonald/Jackson)
- 1145 Lunch
- 1245 Status of Aquarius Mission (Le Vine)
- 1250 SMOS Validation Experiences Presentations (Kerr)
- Yann Kerr, Mattias Drusch, Alan Robock

SMAP Validation Initiatives

- 1330 In Situ Sensor Testbed Presentations (Cosh)
- M. Cosh, T. Ocher (Testbed), M. Zareda (COSMOS), E. Small (GPS)
- 1415 Up-Scaling Methodologies (Crow)
- W. Crow, B. Mohanty, TBD

SMAP In Situ Cal/Val Team

- 1500 Core Validation Sites Overview (Jackson)
- 1515 Short presentations by responders attending. (List to be provided later. If the time for this topic is exceeded, the remaining talks will be on Thursday morning and the schedule will be adjusted).
- 1630 Potential Partners
· NEON (E. Ayres)
· CZO (H. Lin)
· GCOM-W (I. Kaihotsu)
· Vietnam Program (D. Chung)
- 1730 Discussion

Thursday May 5

International Programs and Collaboration

- 0830 Goals of the GEWEX International Soil Moisture Working Group (van Oevelen)
- 0850 Goals of the CEOS Land Product Validation Team on Soil Moisture (Dorigo/Jackson) including Standards initiative.
- 0910 Issues in Satellite and Land Surface Model Soil Moisture Validation (Drusch)
- 0930 The International Soil Moisture Network: Implementation and first User Experiences (Dorigo)
- 1000 Break
- 1030 Challenges faced by Operational and New In situ Soil Moisture Networks
- SwissSMEX (Mittelbach, ETH Zürich), Bibeschbach experimental catchment (Matgen, Gabriel Lippmann Centre), Alex Georgiadi, NOAA, Alan Robock
- 1130 Discussion
- 1200 Lunch

Other SMAP Components Related to Cal/Val and Summary

- 1330 SMAP Cal/Val Data Archiving (Colliander)
- 1500 Discussions and Actions (Jackson)
- 1630 End Day 3